

WHAT IS CLAIMED IS:

1. A temperature difference swimming pool comprising a pool filled with water; characterized in that: a plurality of water curtain controlling devices is arranged in the pool, and a temperature regulating system is employed to regulate the 5 temperature of the water flowing the respective water curtain controlling devices.
2. The temperature difference swimming pool as claimed in claim 1, wherein the water curtain controlling devices are spaced apart and arranged at a bottom of the pool, each of the water curtain controlling devices includes two juxtaposed pipes, a series of intermittent holes is formed in a top surface of the pipes, 10 the pipes each has a close end, and another end of the pipes is connected to a pump.
3. The temperature difference swimming pool as claimed in claim 2, wherein water is suctioned by the pump into the pipe via the holes, and is then spurted out of the pipe via the holes, thus creating water circulation.
4. The temperature difference swimming pool as claimed in claim 3, 15 wherein the holes are formed along the length of the pipes and are vertical to water surface of the swimming pool.
5. The temperature difference swimming pool as claimed in claim 2, wherein switch valve and filter mesh are be arranged between the water curtain controlling devices and the pump, the holes of the pipe is switched to discharge 20 mode, so that water is spurted out of pipe via the holes.
6. The temperature difference swimming pool as claimed in claim 1, wherein the pipes are plastic or metal.
7. The temperature difference swimming pool as claimed in claim 2,

wherein the pipes are plastic or metal.

8. The temperature difference swimming pool as claimed in claim 2, wherein the water curtain controlling devices are embedded in or fixed at the bottom of the swimming pool.

5 9. The temperature difference swimming pool as claimed in claim 2, wherein the pipes is provided with an inner pipe of a smaller diameter, the inner pipes are formed in their bottom surface with a series of intermittent holes that are located opposite the holes of the outer pipes.

10 10. The temperature difference swimming pool as claimed in claim 9, wherein water is suctioned by the pump into the pipe via the holes and flows out of the holes of the inner pipe, and then is pushed into the inner pipe by the pump, and flows to the outer pipe via the holes, and is finally spurted out of the outer pipe via the holes, thus making the water circulates.